

Photo series

Initial stages of
Cleanup of contaminated sediments
on state aquatic lands
in Middle Waterway

Commencement Bay
Washington

August 2004

High tide at the head of Middle Waterway in Commencement Bay in Tacoma



Initial Excavation Site at the head of Middle Waterway at low tide, shown in background



Excavation at the head of Middle Waterway –
Reinforced silt fence in place to control erosion



Removing contaminated sediments at low tide prevents movement of contamination in the waterway



Contaminated sediment staging area, contaminated sediment being off-loaded



Containing contaminated sediment in staging area
before trucking it away



Loading clean sand for backfilling the day's excavation.



One day's excavation, sampling to confirm contamination removal, and excavation depth, etc.



One edge of excavated pit showing clean sediment profile, dark organic rich layers above gray native sediment below



Hydraulic cap placement system avoids the use of barge or heavy equipment to place clean capping materials



Spraying on a thin cap of sediment using hydraulic system.

